



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit	:	Customer No. 26794
Examiner	:	
Serial No.	:	10/666,097
Filed	:	September 19, 2003
Inventor	:	Hong Gan et al.
Title	:	AN ADAPTIVE WIDEBAND DIGITAL AMPLIFIER FOR LINEARLY MODULATED SIGNAL AMPLIFICATION AND TRANSMISSION
		Docket No.: 18052 Confirmation No.: Dated: January 9, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

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For

Postcard
Information Disclosure Statement
Form PTO-1449 w/copies of non-US publications

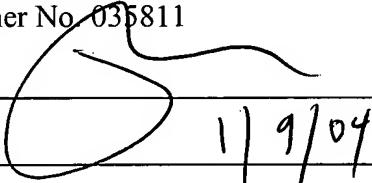
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Date: _____



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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

We submit herewith the usual Form PTO-1449 together with copies of the non-US publications listed therein. They are submitted to comply with the Applicants' duty of disclosure under 37 C.F.R. §1.56 and are believed related to this application.

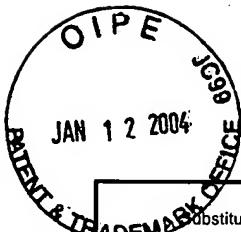
We are submitting this in the spirit of voluntary disclosure and look forward with interest to the Examiner's action at an early date on the merits of the case.

It is accordingly requested that the Information Disclosure Statement be officially entered in the file of this case and that appropriate notification be made that it was considered in the prosecution of the case.

Respectfully submitted,

Paul A. Taufer
Reg. No. 35,703
Attorney for Applicants

PAT:ers
(215) 656-3300



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				<i>Complete if known</i>	
				Application Number	10/666,097
				Filing Date	September 19, 2003
				First Named Inventor	Hong Gan
				Art Unit	
				Examiner Name	
Sheet	1	of	7	Attorney Docket Number	18052

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,978,422	08-31-1976	Rheinfelder	
		US- 4,580,111	04-01-1986	Swanson	
		US- 4,586,000	04-29-1986	Wagner	
		US- 4,646,359	02-24-1987	Furrer	
		US- 5,056,109	10-08-1991	Gilhousen et al.	
		US- 5,257,283	10-26-1993	Gilhousen et al.	
		US- 5,265,119	11-23-1993	Gilhousen et al.	
		US- 5,267,262	11-30-1993	Wheatley, III	
		US- 5,278,997	01-11-1994	Martin	
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		US- 5,452,473	09-19-1995	Weiland et al.	
		US- 5,485,486	01-16-1996	Gilhousen et al.	
		US- 5,576,662	11-19-1996	Price et al.	
		US- 5,577,265	11-19-1996	Wheatley, III	

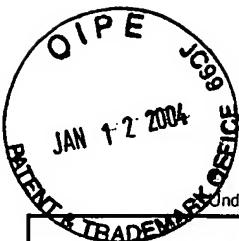
FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
	20	WO 01/10013 A1	02-08-2001	Tropian Inc.	

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet				Application Number	10/666,097
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	2	of	7	Attorney Docket Number	18052

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
		US- 5,590,408	12-31-1996	Weiland et al.	
		US- 5,642,002	06-24-1997	Mekanik et al.	
		US- 5,655,220	08-05-1997	Weiland et al.	
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		US- 5,774,017	06-30-1998	Adar	
		US- 5,812,607	09-22-1998	Hutchinson, IV et al.	
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		US- 5,903,554	05-11-1999	Saints	
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		US- 5,939,951	08-17-1999	Bateman et al.	
		US- 5,942,946	08-24-1999	Su et al.	
		US- 5,952,895	09-14-1999	McCune, Jr. et al.	
		US- 6,043,707	03-28-2000	Budnik	
		US- 6,043,712	03-28-2000	Leizerovich et al.	
		US- 6,075,413	06-13-2000	Katakura	
		US- 6,075,974	06-13-2000	Saints et al.	
		US- 6,078,628	06-20-2000	Griffith et al.	
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		US- 6,097,252	08-01-2000	Sigmon et al.	

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		Number-Kind Code ² (if known)			
		US- 6,101,224	08-08-2000	Lindoff et al.	
		US- 6,112,071	08-29-2000	McCune, Jr.	
		US- 6,133,788	10-17-2000	Dent	
		US- 6,140,875	10-31-2000	Van Den Homberg et al.	
		US- 6,140,882	10-31-2000	Sander	
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		US- 6,191,653	02-20-2001	Camp, Jr. et al.	
		US- 6,198,347	03-06-2001	Sander et al.	
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		US- 6,236,284	05-22-2001	Duello et al.	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	76
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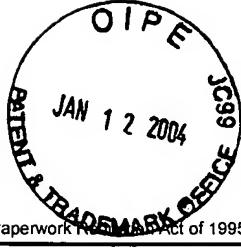
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		Number-Kind Code ² (if known)			
		US- 6,259,901	07-10-2001	Shinomiya et al.	
		US- 6,259,928	07-10-2001	Vembu	
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		US- 6,294,957	09-25-2001	Luu	
		US- 2001/0026579A1	10-04-2001	Mollenkopf et al.	
		US- 6,311,046	10-30-2001	Dent	
		US- 6,317,608	11-13-2001	Glöcker	
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		US- 6,323,731	11-27-2001	McCune, Jr.	
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		US- 6,351,650	02-26-2002	Lundby et al.	
		US- 6,356,155	3-12-2002	Judkins	
		US- 6,366,177	04-02-2002	McCune et al.	
		US- 6,369,657	04-09-2002	Dening et al.	
		US- 6,370,109	04-09-2002	Schwartz et al.	
		US- 6,374,085	04-16-2002	Saints et al.	
		US- 6,377,784	04-23-2002	McCune	

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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		Number-Kind Code ² (if known)			
		US- 6,380,802	04-30-2002	Pehike et al.	
		US- 6,404,823	06-11-2002	Grange et al.	
		US- 6,411,655	06-25-2002	Holden et al.	
		US- 6,421,327	07-16-2002	Lundby et al.	
		US- 6,426,677	07-30-2002	Prentice	
		US- 6,426,678	07-30-2002	Ko	
		US- 6,430,402	08-06-2002	Agahi-Kesheh	
		US- 6,445,247	09-03-2002	Walker	
		US- 6,449,465	09-10-2002	Gailus et al.	
		US- 6,480,472	11-12-2002	Jou et al.	
		US- 6,490,460	12-03-2002	Soliman	
		US-			
		US-			

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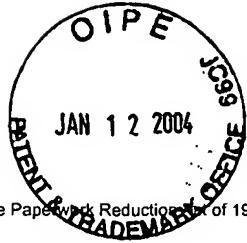
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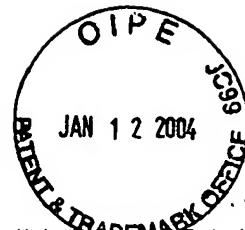
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Sheet	6	of	7	Attorney Docket Number	18052

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
		HULICK, "The Digital Linear Amplifier", Schwenksville, Pennsylvania		
		KOZYREY, "Single-Ended Switching-Mode Tuned Power Amplifier with Filtering Circuit", Poluprovodnikovye pribory v tekhnike svyazi, 1971, pp. 152-166, Vol. 6.		
		TimeStar™, "Multi-Mode Polar Modulator" 2002, Tropian Headquarters, USA		
		SUNDSTRÖM, "Digital RF Power Amplifier Linearisers", 1995, Sweden.		
		KENINGTON, "Linearised RF Amplifier and Transmitter Techniques", Microwave Engineering Europe, November 1998, pp. 35- .		
		MANN, et al., "Increasing Talk-Time with Efficient Linear PAs", Presented at IEE Colloquim on Tetra Market and Technology Developments, February 2000, London.		
		MANN, et al., "Increasing the Talk-Time of Mobile Radios with Efficient Linear Transmitter Architectures", Electronics & Communication Engineering Journal, April 2001, pp. 65-76, Vol. 13, No. 2.		
		HEIMBACH, "Digital Multimode Technology Redefines the Nature of RF Transmission", Applied Microwave & Wireless, August 2001		
		SWANSON, "Digital AM Transmitters", IEEE Transactions on Broadcasting, June 1989, pp. 131-133, Vol. 35, No. 2.		
		TROPIAN-PRODUCTS MAIN, www.tropian.com/products/, Copyright 2000-2001, 8/14/02		

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		"Tropian and Agilent Technologies announce collaboration on multi-band, multi-mode 2.5G transmitter solutions", February 18, 2002, Connes, France.		
		"Tropian Awarded 8 th U.S. Patent for Wireless Technology: Innovative RF Power Processing Circuit Architecture Achieves Speed and Accuracy in Polar Modulation, "August 6, 2001, Cupertino, California.		
		Dialog Web Command Mode, Page 1 of 1, 09/17/2002, Record 03929207, Polar Modulators for 1 and 2 GHz Power Amplifier Correction, NISBET, J.		
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Examiner Signature	Date Considered